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MCS PSY101

Psychology is defined as the science of:

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Sensation and perception

Experience and mental illness

Culture and group dynamics

Behavior and mental processes

Who is considered the "father of psychology" by his establishment of the first psychology lab?

Wilhelm Wundt

William James

Sigmund Freud

E. B. Tichener

Which of the following is considered the founder of the psychodynamic perspective in psychology?

Wilhelm Wundt

William James

Sigmund Freud

E. B. Tichener

The behaviorists believed:

Psychology should emphasize the study of healthy people.

Psychology should only study observable and objectively described acts Psychology should study the self-examination of inner ideas and experiences. All of the above.

The psychological school of thought that stressed the whole or complete view of a situation was: Structuralism.

Functionalism

Behaviorism

Gestalt

According to this Psychological school of thought to understand human behavior and thought one must understand the unconscious mind and the key events that happened early in life that influence the unconscious mind. What is this school of thought?

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Psychoanalysis

Functionalism

Behaviorism

Gestalt

Manifest content of a dream is:

The obvious and apparent part

Hidden content

Conscious part of dream

Overt part of dream

Who established the first psychology lab in the United States?

G. Stanley Hall

William James

Francis Cecil Sumner

Mary Whiton Calkins

Edward Titchener used a method for studying the mind that became very

popular during the Structuralist period. The method called _____ required trained participants to report their conscious mental experiences to the investigator. For example if a person was angry they would report all of their experiences during the time they were angry.

Empiricism

Functionalism

Contemplation

Introspection

_____ is the school of thought in where psychology is defined as the study of the structure of the mind.

Functionalism

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Behaviorism

Structuralism

All of the above

Dr. Usman studies the diagnosis causes treatments and prevention of mental illnesses. Which type of psychologist is Dr. Usman?

Clinical psychologist

Developmental psychologist

Forensic psychologist

Health psychologist

Which one of the following models believes that behavior is motivated by inner forces over which individuals have little control? Cognitive model

Psychodynamic model

Humanistic model

Behavioral model

Which one of the following schools of thought focused on what the mind does and how it does? Structuralism

Functionalism

Gestalt

Behaviorist

Which one of the following drugs is a stimulant?

Nicotine

Lorazepam

Barbiturates

LSD

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Tahir often experiences intense feelings of anger and frustration. In order to cope with these feelings he enrolls in a kickboxing class as an outlet for his emotions. Tahir's actions are an example of which type of defense mechanism?

Projection

Displacement

Repression

Sublimation

Which type of learning process did Burrhus Frederic Skinner describe?

Classical Conditioning

Modeling

Observational Learning

Operant Conditioning

_____ refers to genetic composition of a person.

Genotype

Phenotype

Monotype

None of the given options

In a correlational study when one variable goes up as another goes down is known as a _____.

Positive Correlation

No Correlation

Negative Correlation

Illusory Correlation

A researcher accessed information on the Internet from a series of surveys of women that was conducted during the 1970s and 1980s. The data were analyzed to

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examine changes in attitudes and behaviors over time. Which of the following method was used?

Participant observation

Case study

Archival data

Field experiments

A researcher wants to study the effects of violence displayed in movies on children behavior. In this research violence displayed in movies is the

_____ variable as it is manipulated by the experimenter.

Independent

Dependent

Confounding

None of the given options

The brain and the spinal cord comprise which of the following nervous systems?

Central nervous system

Peripheral nervous system

Autonomic nervous system

Sympathetic nervous system

The lobe of the cerebral cortex responsible for motor control and higher mental processes is known as the _____.

Occipital lobe

Temporal lobe

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Parietal lobe

Frontal lobe

The band of muscles behind the cornea that gives the eye its color and controls the size of the pupil is known as the _____. Sclera

Iris

Pupil

Cornea

The _____ theory suggests color vision depends on red-green blue-yellow and black-white processes in the brain. It suggests that the receptor cells are linked in pairs and they work in opposition to each other.

Figure-ground

Trichromatic

Photopigment

Opponent-process

Which of the following glands abnormal secretion result in a condition called "cretinism" ?

Parathyroid gland

Thyroid gland

Pancreas

Gonads

What is conduction deafness?

Hearing loss due to failure of the auditory nerve

Hearing loss due to problems with the bones of the middle ear

Hearing loss due to failure of the visual nerve

Hearing loss due to problems with the bones of the outer ear

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Who will be interested to study how cognitions are acquired and used in various groups and institutional settings?

Anthropologists

Computer scientist

Sociologists

Geeks

_____ refers to the degree of stability or change across the life span.

Temporal aspects

Situational aspects

Environmental aspects

Spatial aspects

Who developed REBT (Rational Emotive Behavior Therapy)?

George Kelly

John Dollard

Albert Ellis

Neal Miller

In which of the following stage OEDIPUS COMPLEX is observed?

Oral stage

Anal stage

Phallic stage

Genital stage

While maintenance rehearsal will help keep information in short-term memory for longer periods of time, it does not help transfer information into long-term

memory. In order to get information into long-term memory we need to engage in

Elaborative rehearsal

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Maintenance priming

Chunking

Episodic rehearsal

In sensory memory, visual stimuli are held for a very brief time as _____ memories, whereas auditory stimuli are held as _____ memories

Short-term; long-term

Iconic; echoic

Echoic; iconic

Long-term; short-term

Which of the following is NOT true of long-term memory?

It has unlimited space

It includes both semantic and episodic memory

It can hold information for unlimited lengths of time

It has about seven slots or chunks for information storage

People do things (like work) for all different reasons. Some work for money, some work for power, and some work for satisfaction. Internal motivation that causes us to do something because we receive self-satisfaction is called Humanistic

Intrinsic

Sociobiological

Optimum arousal

Which of the following is NOT a biological motive that operates within a homeostatic cycle (is not regulated by homeostasis)?

Sex

Hunger

Body temperature

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Thirst

John B. Watson believed that psychology should involve the study of _____.

Consciousness

The brain

The mind

Behavior

A(n) _____ is a measure of how strongly two variables are related to one another. Independent variable

Correlation

Experimental effect

Dependent variable

A variable that the experimenter manipulates is called a(n) _____.

Control condition

Independent variable

Coefficient of correlation

Dependent variable

Observing behavior as it happens in real-life natural settings without imposing laboratory controls is known as the _____.

Naturalistic observation method

Experimental method

Psychometric approach

Survey method

Who claimed that behavior is affected by positive reinforcement?

B. F. Skinner

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Sigmund Freud

William James

Wilhelm Wundt

A detailed description of a particular individual being studied or treated is called _____.

A single-blind study

A representative sample

A naturalistic observation

A case study

The psychodynamic perspective was based on the work of _____.

Freud

Watson

Gestalt

Wundt

Who was an early proponent of functionalism?

Wilhelm Wundt

Ivan Pavlov

William James

Max Wertheimer

Which of the following terms do NOT belong together?

Natural selection; functionalism

Psychoanalysis; unconscious conflict

Structuralism; observable behavior

Gestalt; whole

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The whole is greater than the sum of the parts” is a statement associated with the perspective of _____.

Introspection

Gestalt psychologists

Psychoanalysis

Functionalism

Drugs that speed up the functioning of the nervous system are called _____.

Stimulants

Psychogenics

Narcotics

Depressants

According to Sigmund Freud, the important underlying meaning of our dreams is found in the _____.

Manifest content

Deep content

Latent content

Subliminal content

Freud’s psychoanalytic theory of dreaming states that _____. The purpose of dreaming is to express unconscious wishes, thoughts, and conflicts

Dreaming is a by-product of a process of eliminating or strengthening neural connections

The purpose of dreaming is to resolve current concerns and problems

There is no purpose to dreaming; dreams occur because of random brain stem signals Daydreaming, meditation, intoxication, sleep, and hypnosis are all types of _____.

Altered states of consciousness

Waking consciousness

Self-awareness

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Self-absorption

The branchlike structures that receive messages from other neurons are called _____.

Nerve bundles

Dendrites

Axons

Synapses

The idea that learning occurs and is stored up, even when behaviors are not reinforced, is called _____.

Innate learning

Insight

Placebo learning

Latent learning

In operant conditioning, _____ is necessary to create the association between the stimulus and the voluntary response

The law of negative effect

A long time delay

Conditional emotional linkages

Reinforcement

_____ is synonymous with short-term memory

Sensory registers

Shadow memory

Working memory

Secondary memory

_____ of the following statements is true about retrieval. It is a process of getting information from the sensory receptors to the brain It is a process that allows an extinguished CR to recover.

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It is the reason that conditioned taste aversions last so long.

It is a process of getting stored memories back out into consciousness.

Receptor cells in the retina responsible for color vision are _____.

Cones

Rods

Bipolar cells

Ganglion cells

To be fully functioning” means doesn’t experiencing which of the following?

Optimal psychological adjustment

Complete openness to experience

Complete congruence

Biased regional values

Which one of the following correctly states Descartes' position on the relationship between the mind and body?

The two are completely separate, with no links whatsoever

Only physical matter exists, mental processes are just a result of 'matter in motion'

The two are separate entities influencing each other

The two are linked, with mental experiences residing in the heart

Which of the following is NOT one of the goals of Psychology

To understand the nature and mechanisms of behavior and mental processes

To apply understanding to real life situations and on the basis of this understanding,

To understand the influence of spirits on the behavior of man

To develop an understanding of the relationship between behavior and mental

Functionalists emphasize on which of the following statement

Consciousness is a continuous flow

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Individual differences are the basis of human behavior

Consciousness is composed of three components

Research should be done through objective introspection

According to which of the following psychologist, education should be based on the children's need?

John Dewey

Jean Piaget

Wilhelm Wundt

Charles Darwin

Which of the following method has been used for treatment of mental and behavioral disorders with drugs and chemicals

Psychotherapy

Shock therapy

. Psycho surgery

Chemotherapy

Which of the following is incorrect about insulin-shock therapy?

It was developed by Paul Broca who was a French surgeon and anthropologist

It is used to cure psychological disorders by administrating insulin

In this therapy the comma is caused because of a reduction in blood sugar level

It has found to be effective with schizophrenics, addicts etc., if used with

According to Jung, which of the following, tend to be sociable, outgoing, an interested in parties and group activities.

Moving against people

Moving away people

Extroverts

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Introverts

Who among the following said that psychologists must discard all reference to consciousness and must only look at behavior of animals and man

Wilhelm Wundt

J. B. Watson

. Karen Horney

Abraham Maslow

Which of the following is an effective therapy that focuses on changing individual's irrational and dogmatic cognitions

Behavioral Therapy

Psychoanalysis

Rational Emotive Behavior Therapy

Psychodrama

Which of the following statement best describes "Endocrine glands

Secrete hormones directly into the bloodstream

These are a thin layer of cells coating the axons

These are an extensive network of specialized cells

These are chemicals released into the particular organ of body

Fatima is using newspaper records to study the rate of crime during the past 20 years. Which type of method is she utilizing?

Participant Observation

Archival data

Structured Observation

Field experiments

Which of the following system arouses us for defensive action e.g. fight or flight

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Parasympathetic Nervous System

. Central Nervous System

Sympathetic Nervous System

Endocrine System

A researcher stops people at the mall and asks them questions about their attitude toward love marriages. Which kind of research technique is being used here

. Experiment

Naturalistic observation

Case study

Survey

Ovum is a term used to describe which of the following

The female sex cell or egg

The developing organism from conception to the end of the second week after

Male sex cell

The developing organism from 2 to 8 weeks after fertilization

Faiqa is a young girl; she is very obedient and seeks approval from others, According to Kohlberg she is at which of the following stage

Pre-Conventional

Conventional

Post-Conventional

Preoperational

Which of the following means negative correlation

There is no relationship between the two variables

Low values of one variable are associated with low values of the other

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High values of one variable are associated with low values of the other

High values of one variable are associated with high values of the other

Which of the following statement best describes Erik Erikson

He was an id psychologist

He described archetypes

He gave the concept of basic anxiety

He developed a theory based on social rather than sexual relationships

The limbic system often referred as which of the following

Emotional brain

Thinking brain

Reactive brain

Sensory brain

Moosa is planning a research. He wants to study the "impact of violent movies on the behavior of young generations". The impact of violent movies will be

Controlled variable

Independent variable

. Dependent variable

. Extraneous variable

According to Hippocrates, Choleric humor is associated with the temperament of _____.

Cheerful and active

Sad

Angry and aggressive

Calm and passive

The ability to feel what the client feels is called _____.

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Respect

Sympathy

Empathy

Congruence

_____ is founder of Rational Emotive Behavior Therapy.

Aron Beck

Albert Ellis

Carl Jung

Carl Rogers

_____ is a neurotransmitter that plays important role in anxiety, arousal and learning.

GABA

Serotonin

Epinephrine

Glutamate

_____ focuses on the unconscious forces that drive or motivate human behavior.

Psychodynamic model

Functionalism

Structuralism

Gestalt psychology

The process of constructing comparable, exposure and comparison groups is called _____.

Time series design

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Prospective design

Retrospective design

Matching

_____ gave the concept that human capacity for learning the language is innate.

Jean Piaget

Noam comsky

Stanley schacter

Tolman

If reinforcement is withheld, response rate decreases and finally no response is shown this is called _____

Negative rein forcer

Extinction

Punishment

Positive rein forcer

The observer becomes a part of the situation and plays an active and significant role in situation, event, or context under study. This is called _____.

Participant observation

Structured observation

Naturalistic observation

Field experiments

_____, a French surgeon and anthropologist, discovered speech centre in brain.

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Paul Broca

Philippe Pinel

Galen

Cabanis

_____ is the process of perceiving information and bringing it into the memory system

Storage

Retrieval

Recording

Encoding

According to Woodworth Memory = L-I-R, R stands for _____.

recording remembering

resonance recall

_____ derives from the Latin word "Emovere" means to excite, stir up.

Motion

Emotion

Motivation

Cognition

_____ was the first person who identify pupillometrics phenomenon

William James

. Wilhelm Wundt

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Lazarus

Darwin

According to _____ every emotional arousal has an opposite, i.e. When one type of emotion is elicited, and then there must be an opposite that is there to suppress or cancel it

Opponent process theory

Activation theory

Cognitive theory

None of the above option

The branch of psychology that studies cognition, and related areas issues are called _____.

Forensic psychology

Cognitive psychology

Counseling psychology

Clinical psychology

_____ is the universal forms and patterns of thought. These include themes that can be seen in myths e.g. masculinity, femininity, good and evil opposites.

Ego

Superego

Unconscious

Archetypes

MMPI stands for _____.

Minnesota Multiphasic Personal Inventory

Minnesota Multiphasic Personality Inventory

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Minnesota Multiphasic Psychology Inventory

None of the above options

s _____ are the people who are quiet, passive and careful people.

Extroverts

Introverts

Neurotics

Stable

_____ is a Greek word which means forgetfulness.

Amnesia

Dementia Alzheimer's disease None of the above option.

While maintenance rehearsal will help keep information in short-term memory for longer periods of time it does not help transfer information into long-term memory. In order to get information into long-term memory we need to engage in:

Elaborative rehearsal

Maintenance priming

Chunking

Episodic rehearsal

In sensory memory visual stimuli are held for a very brief time as _____ memories whereas auditory stimuli are held as _____ memories.

Short-term; long-term

Iconic; echoic

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Echoic; iconic

Long-term; short-term

Which of the following is NOT true of long-term memory?

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It includes both semantic and episodic memory

It can hold information for unlimited lengths of time

It has about seven slots or chunks for information storage

People do things (like work) for all different reasons. Some work for money some work for power and some work for satisfaction. Internal motivation

that causes us to do something because we receive self-satisfaction is called:

Humanistic

Intrinsic

Sociobiological

Optimum arousal

Which of the following is NOT a biological motive that operates within a homeostatic cycle (is not regulated by homeostasis)?

Sex

Hunger

Body temperature

Thirst

Identify the correct order in the multi-store model of human memory?

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L TM Sensory register STM rehearsal buffer

Sensory register STM rehearsal buffer L TM

Rehearsal buffer Sensory register STM L TM

STM Sensory register rehearsal buffer L TM

A child who gives many answers in response to a question resorts to the process of _____.

Convergent thinking

Latent thinking

Divergent thinking

Critical thinking

A type of thinking which is aimed at solving problems or creating something new is called:

Creative thinking

Autistic thinking

Directed thinking

Symbolic thinking

Which one of the following best supports the heuristic approach of problem solving?

Trying different responses until one works

Following a rule that guarantees a solution to a specific type of problem

Applying solutions that were previously successful with other problems similar in underlying structure

Employing rules of thumb suggested by our experience that are often used to solve problems

. Which one of the following is not a secondary/learn motive?

Achievement

Power

Hunger

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Curiosity

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Types of Hearing Impairment

Conduction Deafness: problem in conduction of air vibrations to the cochlea; the bones in the middle ear do not function properly. Treatment: microsurgery for replacing the affected bone with an artificial one.

Nerve Deafness: deafness caused by a damage to the neural mechanism that creates nerve impulses or relays them to the auditory cortex; deafness may also be caused by a damage to the auditory cortex itself.

Explain i) Relative Motion ii) Relative Size

Relative motion: A monocular cue for perceiving depth and distance in which when we move, the objects at different distances change their relative positions with the visual image with those that are closest seem to be moving faster.

Relative Size : The monocular cue for depth perception in which we assume that the two objects are similar in size, the one that make the smaller image appears to be more distant.

Q4-If rat is under observation by scientists..... rat don't feel hungry and thirsty then in which part of the brain scientists implant electrodes to find the reason of not feelin hungry and thirsty? Also tell some characteristics of that part of brain. (3marks). Thalamus is further divided into two sub-categories 1- Cerebellum 2- Limbic System

Evolutionarily the structure of limbic system is rather old.

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The limbic system, often referred to as the "emotional brain", is found buried within the cerebrum.

At the border of the brainstem and cerebral hemispheres it is a doughnut-shaped system of neural structures; associated with emotions e.g. fear and aggression, and drives like hunger and sex; regulates body temperature, blood sugar level and blood pressure.

Operant Conditioning

Type of learning in which a voluntary response becomes stronger or weaker depending on its positive or negative consequences.

The organism plays an active role and „operates“ on environment to produce the desired outcome.

Operant conditioning forms an association between a behavior and a consequence. Consequences have to be immediate, or clearly linked to the behavior. With verbal humans, we can explain the connection between the consequence and the behavior, even if they are separated in time.

What is Sleep disorder? Causes of sleep disorder(5 marks)

Sleep Disorders

• Sleep related problems ranging from inability to sleep, to difficulty falling to sleep, to interrupted sleep, to feeling sleepy even when one has had enough hours of deep sleep; Generally known by the name of Insomnia, sleep disorders include sleep walking and sleep talking as well.

Causes of Sleep Disorders

Sleep disorders or slumbering problems may be due to various reasons:

Stress • Preoccupation (concern or fear etc.) • Mental illness • Noise pollution

Digestive problems • Physical illness

Four diseases caused by abnormal secretion of thyroid glands?

Diseases Resulting from Abnormal Secretion of Endocrine Glands • Too much or too less secretions of endocrine glands can be harmful for the body.

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These secretions can be treated by controlling the over production, providing the essentials for production, or replacing hormones.

Some of such abnormalities are:

1. Cretinism

Occurs due to the lack of thyroid gland secretions. • Prevalent mostly in Southern France, Spain, Italy, and Switzerland **The major symptoms are:**

Person becomes restless and thin • Shows excessive emotionality

Sleeplessness • Rapid heartbeat • Tremors

What will happen when you enter into the movie theatre/ a dark room and hardly see anything? (3 marks)

The isle, other people, or your seat. And what happens after a few moments? It is an example of adaptation to darkness

Dark Adaptation means a heightened sensitivity to light resulting from being in low level of light for some duration

On the contrary, you can see quite well in light after coming from the darkness __ dark adaptation

The speed of processing from dark to light and light to dark adaptation is largely dependent on the rate at which the chemical composition in the rods and cones takes place.

Portion of Adrenal Cortex and their name.

The adrenal cortex is essential to life because it has very important functions to perform, but the Medulla may be removed with no life-threatening effects.

Hormones of the Adrenal Cortex

• The adrenal cortex consists of three different portions/ regions, each region produce different type of hormones. • Chemically, all these cortical hormones are steroid.

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a. Mineralocorticoids

- Secreted by the outermost region of the adrenal cortex.

b. Glucocorticoids

- Secreted by the middle region of the adrenal cortex.

c. Gonad corticoids

Also known as the sex hormones.

These are secreted by the innermost region of the adrenal cortex.

Q: Brain layers and their names i think

Membranes of the Brain

Between the surfaces of the brain and the skull, there are three layers of membrane called the meninges, which completely cover the brain and spinal cord.

These three membranes are:

1. Dura Matter
2. Arachnoid
3. Pia Matter

THE EVOLUTIONARY LAYERS OF THE HUMAN BRAIN

The **reptilian** brain, the oldest of the three, controls the body's vital functions such as heart rate, breathing, body temperature and balance.

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The **limbic** brain emerged in the first mammals. It can record memories of behaviours that produced agreeable and disagreeable experiences,

The **neocortex** first assumed importance in primates and culminated in the human brain with its two large cerebral hemispheres that play such a dominant role.

Q- Edward B. Tichener

Known as the formal founder of Structuralism

Edward Bradford Tichener

He was solely concerned with studying the brain, and the unconscious, and for this he believed, we should break it down into basic elements. After that, we can construct the separate elements into a whole and understand what it does. • He believed that we can study perception, emotions and ideas through introspection, by reducing them to their elementary parts

- There are four elements in the sensation of taste: sweet, sour, salty and bitter

Q10- what do you know about cerebellum. What are its functions? 5 MARKS

"Cerebellum" comes from the Latin word for "little brain". The cerebellum is located behind the brain stem.

Cerebellum is somehow similar to the cerebral cortex: the cerebellum is divided into hemispheres and has cortex that surrounds these hemispheres.

It carries 10% of the weight of the brain. • It contains as many neurons as in the rest of the brain.

Its function is to coordinate body movements i.e. coordination, maintenance of posture & balance.

Damage to cerebellum results into jerky and uncoordinated body movements.

Q7. Humanistic approach main points

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Psychological model that is considered as one of the most recent approaches to psychology .

It is the approach that focused on:

The idea that people are in control of their life.

The person or the self and personal growth and development are to be emphasized. The humanistic approach includes a number of other theories with the same or similar orientation e.g., „existential“ and „phenomenological“ psychology.

Q- Humanistic Vs Psychodynamic & behaviorist Approaches

Humanistic approach emphasizes the person, the psychodynamic stresses unconscious determinants, and the behaviorists focus upon external determinants.

Humanistic approach is more optimistic than the other two in the sense that it believes in the person's ability and will.

Q10. Who presented the cognitive maps? Define it briefly 3 marks

Cognitive Approaches to Learning

The approaches that focus upon the thought processes underlying learning . Latent

Learning and cognitive maps (Edward Tolman); Tolman talked about the „cognitive maps“; it is not necessary to have an association between stimulus and response, a person can learn without showing any apparent response; in other words learning and performance are not the same

Social learning / Observational learning and Modeling (Albert Bandura): a major portion of our learning is based upon learning by observation

Q15. Describe function of auditory canal and tell three parts of ear. 3 marks

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Auditory canal: When sound waves originate from the vibrating object, they then pass through the auditory canal, which is a tube like passage through which the sound travels to the inner part of the ear or “the eardrum”.

Eardrum

The part of the ear that starts vibrating when sound waves strike/ hit it.

Its intensity of vibration is dependent on how intense the sound waves are the more intense the sound, the more intensely it vibrates.

These vibrations are then transmitted to the “middle ear”.

1. The outer ear
2. The middle ear
3. The inner ear

Q- Ear impairments 5 mark

Conduction Deafness: problem in conduction of air vibrations to the cochlea; the bones in the middle ear do not function properly. Treatment: microsurgery for replacing the affected bone with an artificial one.

Nerve Deafness: deafness caused by a damage to the neural mechanism that creates nerve impulses or relays them to the auditory cortex; deafness may also be caused by a damage to the auditory cortex itself.

Q3. Name and explain that specific learning principle.

[Educational psychologists](#) and [pedagogues](#) have identified several principles of learning, also referred to as laws of learning, which seem generally applicable to the [learning](#) process. These principles have been discovered, tested, and used in practical situations. They provide additional insight into what makes people learn most effectively. Edward Thorndike developed the first three "Laws of learning:" readiness, exercise and effect. Since Thorndike set down his basic three laws in the early part of the twentieth century, five additional principles have been added: primacy, recency, intensity, freedom and requirement.

Q- Cerebrospinal Fluid (CSF)

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The subarachnoid space contains a fluid called cerebrospinal fluid (CSF), a clear, colorless fluid covering the entire surface of central nervous system.

The total volume of CSF is 125-150 ml.

Total production of CSF is about 400-500 ml/day (about 0.36ml/min).

Q- Phi phenomenon: Wertheimer became aware of a form of apparent motion that was called

When two lights are in close proximity to each other, flashing alternately, appear to be one light moving back and forth; therefore the whole was different from the separate parts.

Movement is perceived whereas it never occurred.

Explanation of phi phenomenon led to a separate school of thought that had deep rooted impact on learning, ethics, and social psychology.

Q6. What is top- down processing; write its factor which influences 5 marks

Top- Down and Bottom- Up Processing

„Top- Down“ processing refers to the perceptual phenomenon guided/ and influenced by; Knowledge, Experience, Motivation Expectation A-e- yo- g-o - ng t- sc—l?

Top- down processing is guided by the higher mental/ knowledge faculty such as meaning of the sentence of which the important letters are missing__ individuals are able to understand the meaning of the sentence and fill in the gaps by using their prior experiences and memories.

Q7. Deferent theories of “pitch Perception and hearing” are being presented over the years. Which one is your favorite and why? (5 marks)

ITS SAME WITH DIFFERENT NAMES

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The most frequent question that comes to mind is that how can our brain sort out the sound waves of different frequencies and intensities without any hindrance or problem?

The answer lies in the studies done in this regard. They show that the basal membrane (inner most region of the ear near the cochlea) and its associated areas are most sensitive to high pitched frequency sounds, and the area near the cochlea is more sensitive to low- frequency sounds.

Q3. Compare intimate and observation??

Intimate: to make known especially publicly or formally, to communicate delicately and indirectly

Observation: the action or process of closely observing or monitoring something or someone , a statement based on something one has seen, heard, or noticed.

Q8. Define the shaping techniques. Discuss how will you practice this technique in your life? (3 marks)

Shaping: Successive approximations of a required / desired response are reinforced until that response is fully learnt:

In the beginning each and every success is reinforced with a reward, no matter how small the success.

Once the desired response is learnt the rein forcer immediately follows it, every time it happens.

Once learnt the behavior, in many cases, the organism may not need reinforcement any more, since many behaviors are self-reinforcing e.g. learning to play a musical instrument.

Q11. Define cornea briefly explain? 3 marks

A transparent external surface, a five-layered membrane that covers both the pupil and the iris.

It is the first and most powerful lens or layer of the visual apparatus that helps to form the sharp image on the retinal photoreceptor cells, along with the crystalline lens

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Q8. How does the endocrine system influence behavior? Describe the functions of any two glands and the hormones each secretes. (2.5+2.5 marks)

The endocrine system consists of glands which secrete hormones into the blood stream. There are many different types of hormones secreted by different glands in the body, each serving a different function. Some hormones are known to have an effect on mood and behavior. An example of this would be estrogen which has been known to cause mood swings in menopausal women. This is because estrogen, as well as many other steroid hormones, are able to cross the blood-brain barrier and act directly on neurons in the brain to cause them to act differently, hence giving rise to behavioral changes.

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